

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
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Application Serial Number:

10/517,688

Source:

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,688

DATE: 12/22/2004

TIME: 16:21:15

Input Set : A:\06275-421US1.txt

Output Set: N:\CRF4\12222004\J517688.raw

3 <110> APPLICANT: Ambrose, Helen Jean  
 4 Dudley, Adam Jeston  
 7 <120> TITLE OF INVENTION: Methods for Detecting Polymorphisms Using ARMS or RFLP  
 9 <130> FILE REFERENCE: 06275-421US1  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/517,688  
 C--> 11 <141> CURRENT FILING DATE: 2004-12-10  
 11 <150> PRIOR APPLICATION NUMBER: PCT/GB03/02524  
 12 <151> PRIOR FILING DATE: 2003-06-10  
 14 <150> PRIOR APPLICATION NUMBER: GB 0213579.6  
 15 <151> PRIOR FILING DATE: 2002-06-13  
 17 <150> PRIOR APPLICATION NUMBER: US 60/388,812  
 18 <151> PRIOR FILING DATE: 2002-06-14  
 20 <160> NUMBER OF SEQ ID NOS: 17  
 22 <170> SOFTWARE: PatentIn Ver. 2.1  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 24  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Artificial Sequence  
 29 <220> FEATURE:  
 30 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward  
 31 primer OATP8-1F  
 33 <400> SEQUENCE: 1  
 34 aggcctgaa tgaatattag agaa 24  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 24  
 39 <212> TYPE: DNA  
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 42 <220> FEATURE:  
 43 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR reverse  
 44 primer OATPF8-1R  
 46 <400> SEQUENCE: 2  
 47 taatgtacgc ttcaatggaa aaat 24  
 50 <210> SEQ ID NO: 3  
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 52 <212> TYPE: DNA  
 53 <213> ORGANISM: Artificial Sequence  
 55 <220> FEATURE:  
 56 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward  
 57 primer OATP8-2F  
 59 <400> SEQUENCE: 3  
 60 ttacttctt catctatggaa ggac 24  
 63 <210> SEQ ID NO: 4  
 64 <211> LENGTH: 24

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65 <212> TYPE: DNA  
66 <213> ORGANISM: Artificial Sequence  
68 <220> FEATURE:  
69 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR reverse  
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72 <400> SEQUENCE: 4  
73 aaagctgact ctatgtgatt tgag 24  
76 <210> SEQ ID NO: 5  
77 <211> LENGTH: 24  
78 <212> TYPE: DNA  
79 <213> ORGANISM: Artificial Sequence  
81 <220> FEATURE:  
82 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward  
83 primer OATP8-3F  
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86 taagatatgc atactgggaa gaaa 24  
89 <210> SEQ ID NO: 6  
90 <211> LENGTH: 23  
91 <212> TYPE: DNA  
92 <213> ORGANISM: Artificial Sequence  
94 <220> FEATURE:  
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96 primer OATP8-3R  
98 <400> SEQUENCE: 6  
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103 <211> LENGTH: 24  
104 <212> TYPE: DNA  
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107 <220> FEATURE:  
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109 primer OATP8-4F  
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112 taagatatgc atactgggaa gaaa 24  
115 <210> SEQ ID NO: 8  
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122 primer OATP8-4R  
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129 <211> LENGTH: 24  
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131 <213> ORGANISM: Artificial Sequence  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward

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Input Set : A:\06275-421US1.txt

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135 primer OATP8-5F  
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142 <211> LENGTH: 24  
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154 <210> SEQ ID NO: 11  
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156 <212> TYPE: DNA  
157 <213> ORGANISM: Artificial Sequence  
159 <220> FEATURE:  
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161 primer OATP8-6F  
163 <400> SEQUENCE: 11  
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167 <210> SEQ ID NO: 12  
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169 <212> TYPE: DNA  
170 <213> ORGANISM: Artificial Sequence  
172 <220> FEATURE:  
173 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR reverse  
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176 <400> SEQUENCE: 12  
177 accagaatgc ttgatacaat agtg 24  
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182 <212> TYPE: DNA  
183 <213> ORGANISM: Artificial Sequence  
185 <220> FEATURE:  
186 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR forward  
187 primer OATP8-7F  
189 <400> SEQUENCE: 13  
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195 <212> TYPE: DNA  
196 <213> ORGANISM: Artificial Sequence  
198 <220> FEATURE:  
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200 primer OATP8-7R  
202 <400> SEQUENCE: 14  
203 taatgtacgc ttcaatggaa aaat 24  
206 <210> SEQ ID NO: 15

RAW SEQUENCE LISTING  
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Input Set : A:\06275-421US1.txt  
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208 <212> TYPE: DNA  
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213 aaattgttgt tcataacaattc tagtgtgtgg ttttatatta tttacttgg tcaaatttct 120  
214 ctctatgaaa attatttttc taagcaaattt ataatctt taggcttagga gtttgtctct 180  
215 gtccttccttc ctctgtgtcc agcattgacc tagtccgtg gtcaggaaat agcaggccct 240  
216 gaatgaatat tagagaatga ttgattgattt gatattgagc ttgtggcttt tcctatttt 300  
217 aaattgtata ttgtttaaagt aaaataaaattt atacttttc ttttttaaca ggtgatcatt 360  
218 tcaaaccaag catcagcaac aattaaaaat attcacttgg tatctgttagt ttaataatgg 420  
219 accaacatca acatttgaat aaaacagcag agtcagcatc ttcagagaaaa aagaaaaacaa 480  
220 gacgctgcaa tggattcaag 500  
223 <210> SEQ ID NO: 16  
224 <211> LENGTH: 2646  
225 <212> TYPE: DNA  
226 <213> ORGANISM: Homo sapiens  
228 <400> SEQUENCE: 16  
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230 atttgaataa aacagcagag tcagcatctt cagagaaaaaa gaaaacaaga cgctgcaatg 120  
231 gattcaagat gttctggca gcccgtcat tcagctataat tgctaaagca cttaggtggaa 180  
232 tcattatgaa aattttccatc actcaaatacg aaaggagatt tgacatatcc tcttctctt 240  
233 ctgggttaat tgatgaaagc tttgaaattt gaaatttgct tttgatttta 300  
234 actttggatc taaactacac agaccgaatg taatttggat tgggtgtctc cttatgggaa 360  
235 ctggaagttt tttgacatct ttaccacattt tcttcatttggg atattatagg tattctaaag 420  
236 aaacccatataat taatccatca gaaaatttcaa catcaagttt atcaacctgt ttaattaatc 480  
237 aaaccttatac attcaatgga acatcacctg agatagttaga aaaagattgt gtaaaggaat 540  
238 ctgggtcaca catgtggatc tatgtcttca tggggatataat gcttcgtggc ataggggaaa 600  
239 cccccatagt accattgggg atttcataca ttgtatgtt tgcaaaagaa ggacattctt 660  
240 ctttgcattt agtagttt aatgcaatag gaatgttgg tccagtcattt ggcttgcac 720  
241 tgggatctctt gtttgcataa atgtacgtgg atattggata tttgatctg agcaactatca 780  
242 gaataactcc taaggactct cttttttttt gttttttttt gttttttttt cttttttttt 840  
243 gactattttcc cattatttctt tccataccat tttttttttt gttttttttt cttttttttt 900  
244 cacaaaaaaga aagaaaaattt tcactatcat tttttttttt gttttttttt cttttttttt 960  
245 atcaaacacgc taatttgcacc aaccaaggaa aaaatgttac cttttttttt gttttttttt 1020  
246 tccagtcattt gaaaagcattc tttttttttt gttttttttt cttttttttt 1080  
247 ttttacaagt aagcagctttt attttttttt tttttttttt gttttttttt cttttttttt 1140  
248 agtacggtca gtctgcattt catgtttttt gttttttttt gttttttttt cttttttttt 1200  
249 ttgcaactgg aatgtttttt gttttttttt gttttttttt gttttttttt cttttttttt 1260  
250 gaatttgcacc aatgtttttt gttttttttt gttttttttt cttttttttt 1320  
251 tccctcttaat tttttttttt gttttttttt cttttttttt gttttttttt cttttttttt 1380  
252 attcgtggc atctcatgtt gttttttttt gttttttttt cttttttttt gttttttttt 1440  
253 atgaaagtca gttttttttt gttttttttt gttttttttt cttttttttt 1500  
254 tagcaggatg cttttttttt gttttttttt gttttttttt cttttttttt 1560  
255 gtgtggaaatg aactgtttttt gttttttttt gttttttttt cttttttttt 1620  
256 gagataatac tttttttttt gttttttttt gttttttttt cttttttttt 1680  
257 tttttttttt gttttttttt gttttttttt gttttttttt cttttttttt 1740  
258 aatttgcacc aatgtttttt gttttttttt gttttttttt cttttttttt 1800  
259 tagctccat atattttttttt gttttttttt gttttttttt cttttttttt 1860

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260 gctgtggagc acaaggagct tgtaggatat ataattccgt atttttgga agggtctact 1920  
 261 tgggcttatac tatagcttta agattccag cacttgtttt atatattgtt ttcatttttg 1980  
 262 ctatgaagaa aaaattcaa ggaaaagata ccaaggcata ggacaatgaa agaaaagtaa 2040  
 263 tggatgaagc aaacttagaa ttctttaata atggtaaca ttttgtaccc tctgctggaa 2100  
 264 cagatgtaa aacatgtaat ttggacatgc aagacaatgc tgctgccaac taacattgca 2160  
 265 ttgattcatt aagatgttat ttttgaggtg ttccctggct ttcactgaca attccaaacat 2220  
 266 tctttactta cagtggacca atggataagt ctatgcatttataaataact ataaaaaaatg 2280  
 267 ggagtaccca tggtaggat atagctatgc ctttatggtt aagattagaa tatatgatcc 2340  
 268 ataaaattta aagtgagagg catggtagt gtgtgataca ataaaaagta attgtttgg 2400  
 269 agttgttaact gctaataaaa ccaactgacta gaatataagg gaggtaaaaa ggacaagata 2460  
 270 gattaatgc ctaaataaaag agaaaaagct gatgcctta aaaaatgaaa cactttggat 2520  
 271 gtattactta ggc当地atgc tggcctggat ttatgtata atatataattt tcattgttaag 2580  
 272 ttgtatattt ttcagaaattt ataaatattt ttaattttaa attcgaaaaa aaaaaaaaaa 2640  
 273 aaaaaa 2646  
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 277 <211> LENGTH: 702  
 278 <212> TYPE: PRT  
 279 <213> ORGANISM: Homo sapiens  
 281 <400> SEQUENCE: 17  
 282 Met Asp Gln His Gln His Leu Asn Lys Thr Ala Glu Ser Ala Ser Ser  
 283 1 5 10 15  
 285 Glu Lys Lys Lys Thr Arg Arg Cys Asn Gly Phe Lys Met Phe Leu Ala  
 286 20 25 30  
 288 Ala Leu Ser Phe Ser Tyr Ile Ala Lys Ala Leu Gly Gly Ile Ile Met  
 289 35 40 45  
 291 Lys Ile Ser Ile Thr Gln Ile Glu Arg Arg Phe Asp Ile Ser Ser Ser  
 292 50 55 60  
 294 Leu Ala Gly Leu Ile Asp Gly Ser Phe Glu Ile Gly Asn Leu Leu Val  
 295 65 70 75 80  
 297 Ile Val Phe Val Ser Tyr Phe Gly Ser Lys Leu His Arg Pro Lys Leu  
 298 85 90 95  
 300 Ile Gly Ile Gly Cys Leu Leu Met Gly Thr Gly Ser Ile Leu Thr Ser  
 301 100 105 110  
 303 Leu Pro His Phe Phe Met Gly Tyr Tyr Arg Tyr Ser Lys Glu Thr His  
 304 115 120 125  
 306 Ile Asn Pro Ser Glu Asn Ser Thr Ser Ser Leu Ser Thr Cys Leu Ile  
 307 130 135 140  
 309 Asn Gln Thr Leu Ser Phe Asn Gly Thr Ser Pro Glu Ile Val Glu Lys  
 310 145 150 155 160  
 312 Asp Cys Val Lys Glu Ser Gly Ser His Met Trp Ile Tyr Val Phe Met  
 313 165 170 175  
 315 Gly Asn Met Leu Arg Gly Ile Gly Glu Thr Pro Ile Val Pro Leu Gly  
 316 180 185 190  
 318 Ile Ser Tyr Ile Asp Asp Phe Ala Lys Glu Gly His Ser Ser Leu Tyr  
 319 195 200 205  
 321 Leu Gly Ser Leu Asn Ala Ile Gly Met Ile Gly Pro Val Ile Gly Phe  
 322 210 215 220  
 324 Ala Leu Gly Ser Leu Phe Ala Lys Met Tyr Val Asp Ile Gly Tyr Val  
 325 225 230 235 240

**VERIFICATION SUMMARY**

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Input Set : A:\06275-421US1.txt

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date